

v₁₆

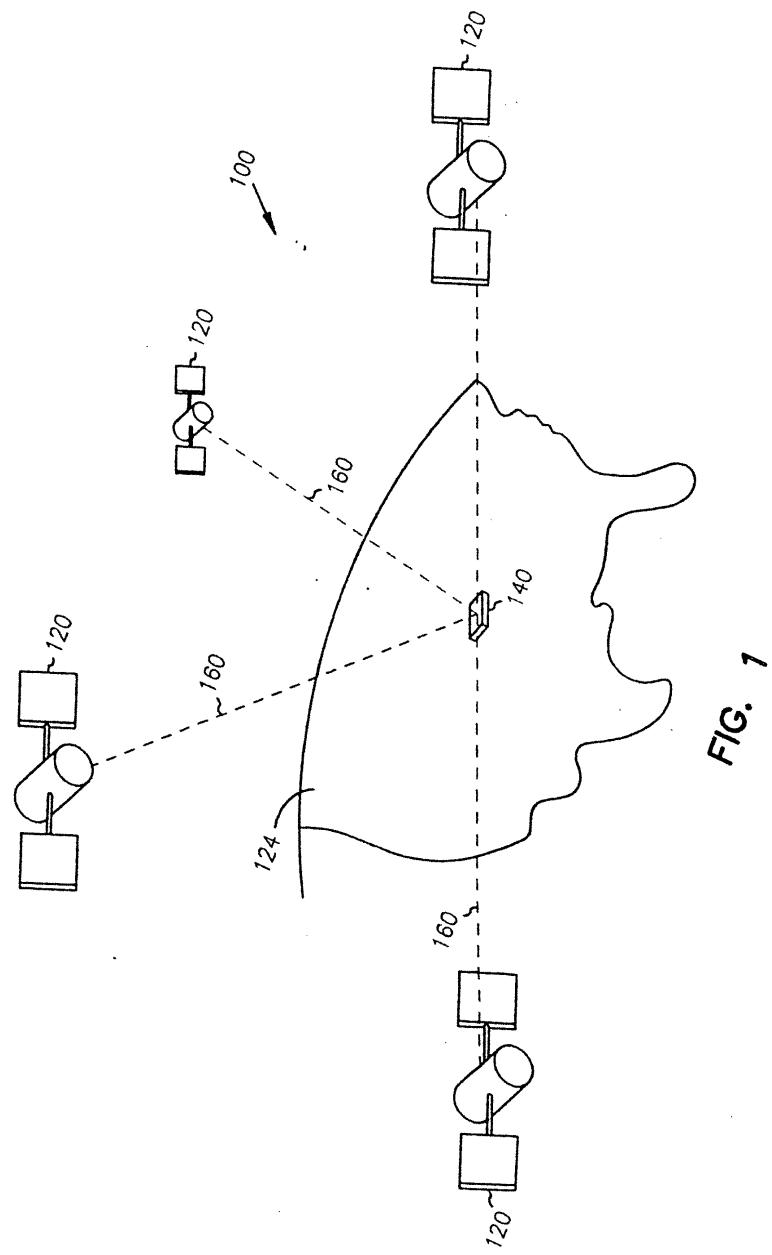


FIG. 1

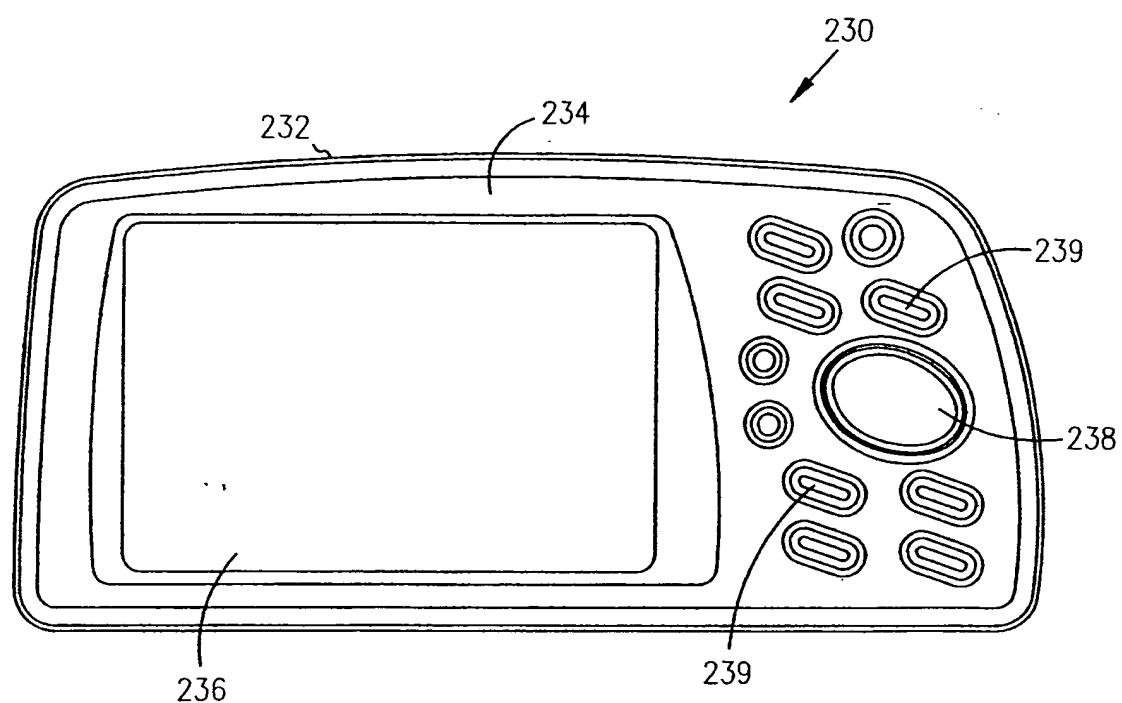


FIG. 2A

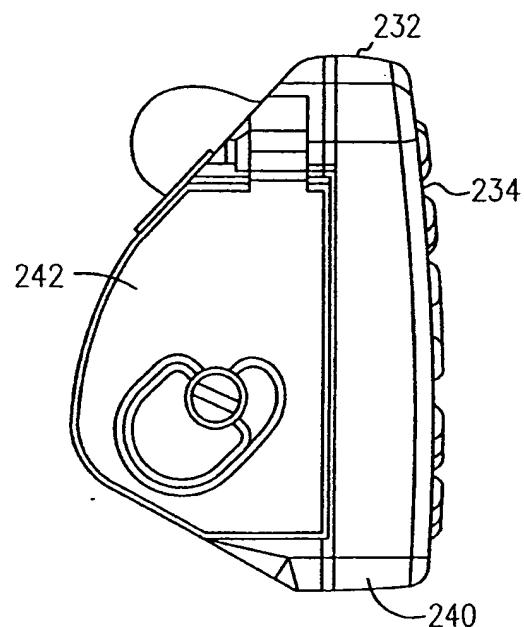


FIG. 2B

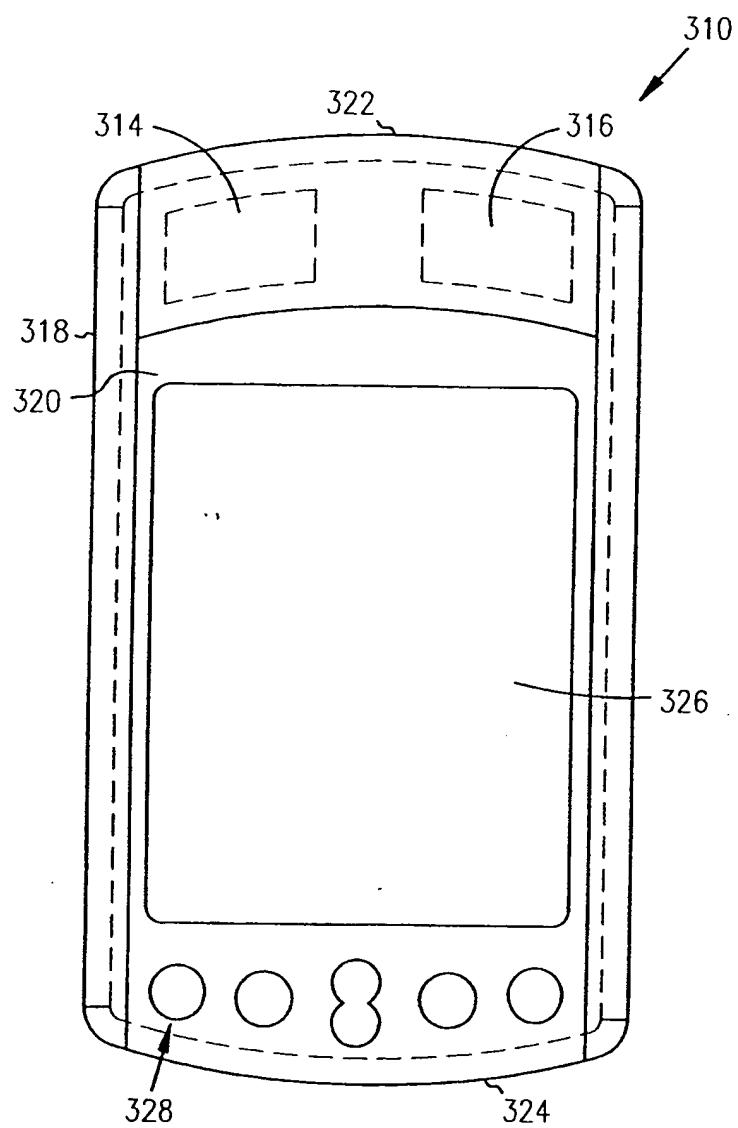


FIG. 3A

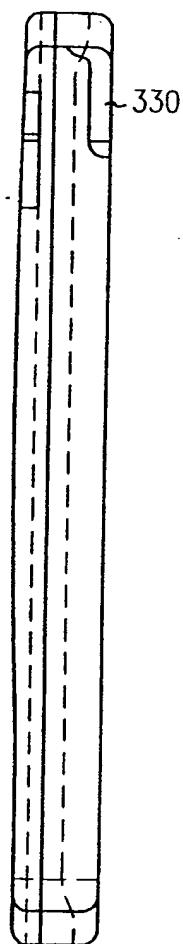


FIG. 3B

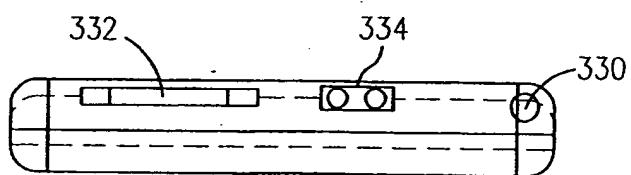


FIG. 3C

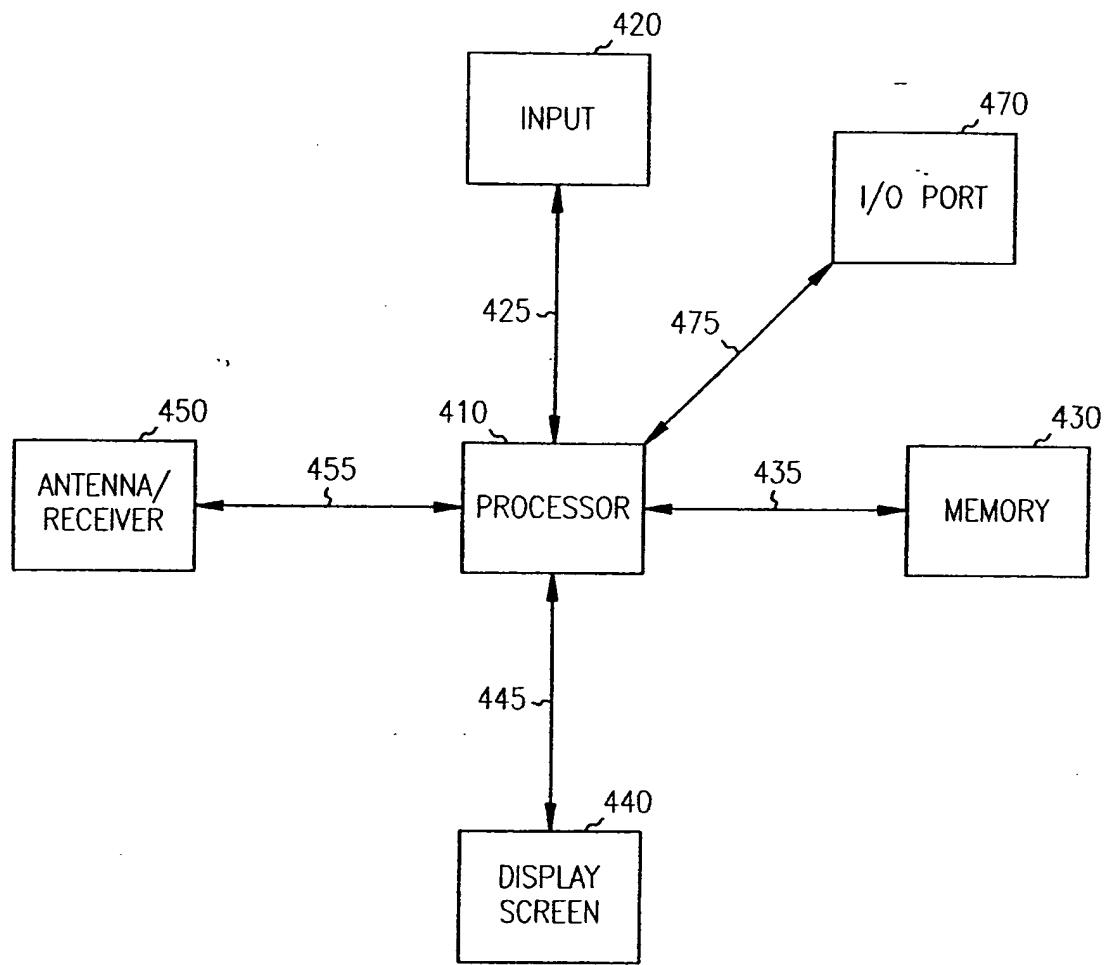


FIG. 4A

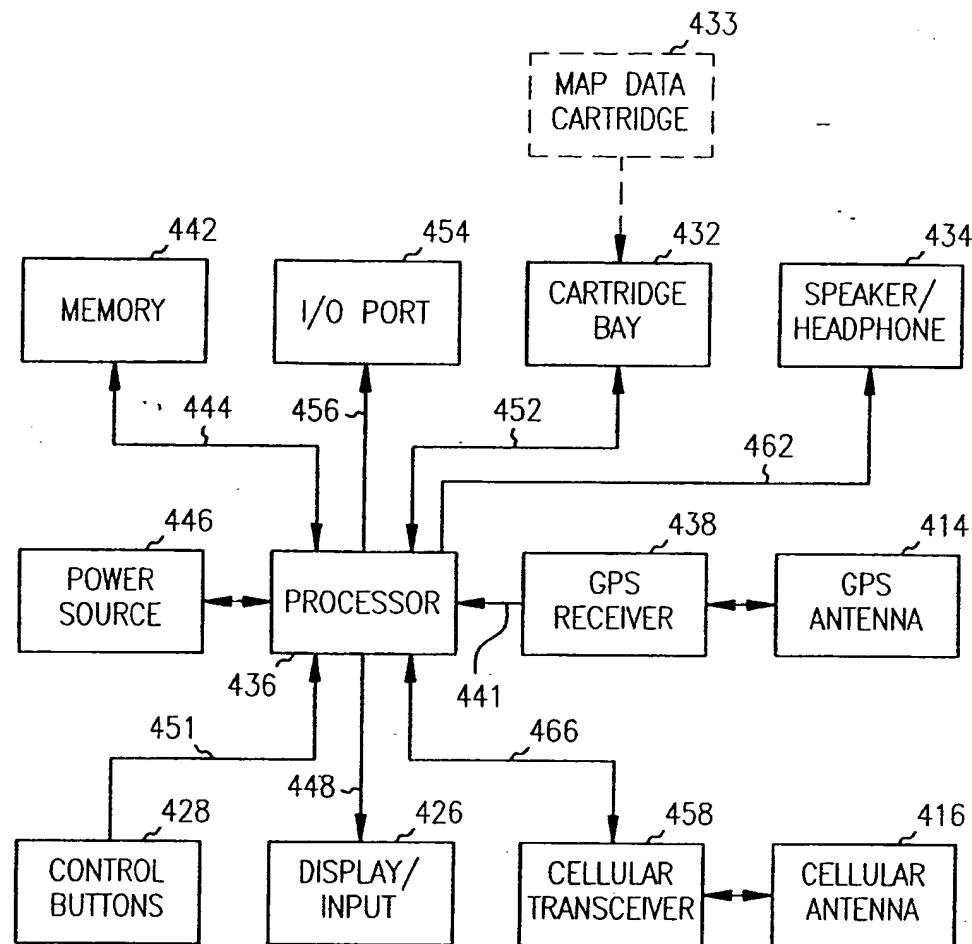


FIG. 4B

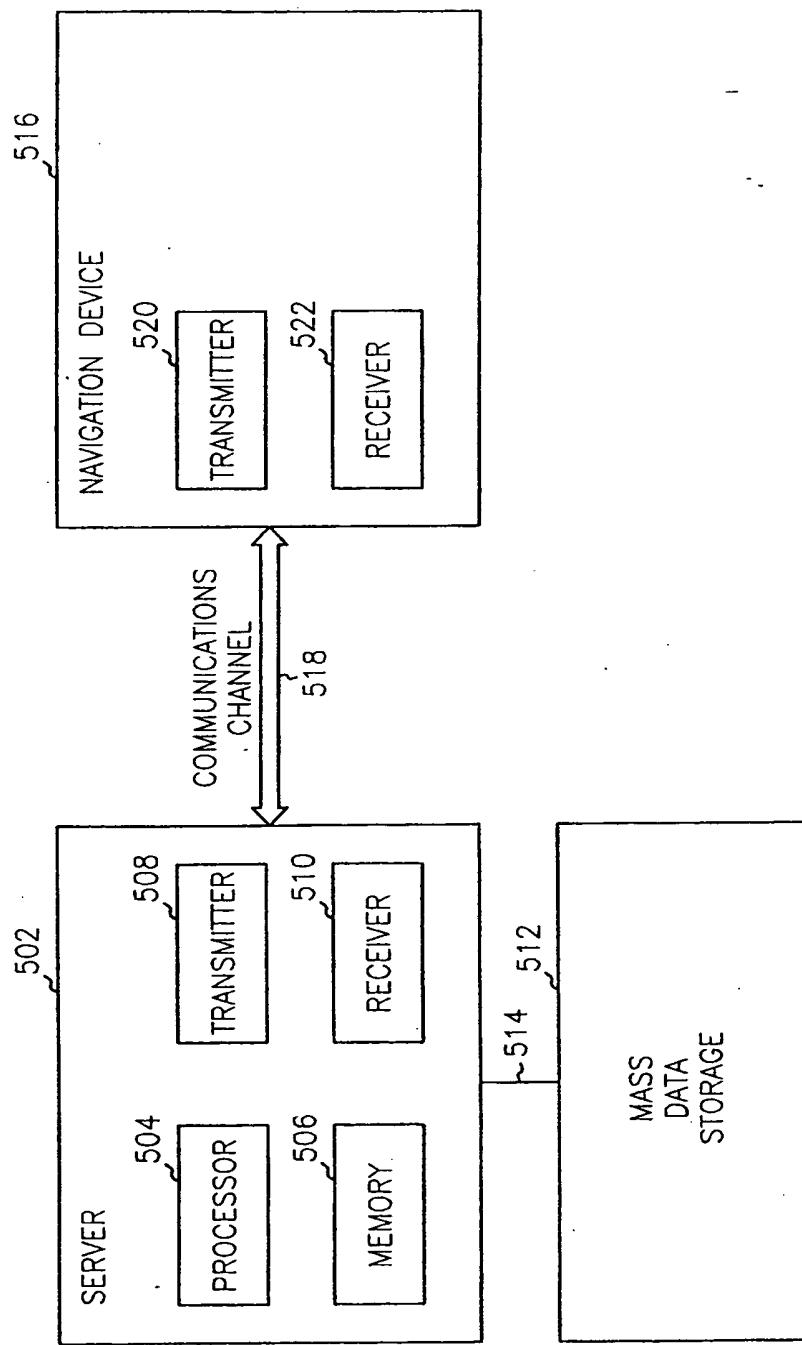


FIG. 5

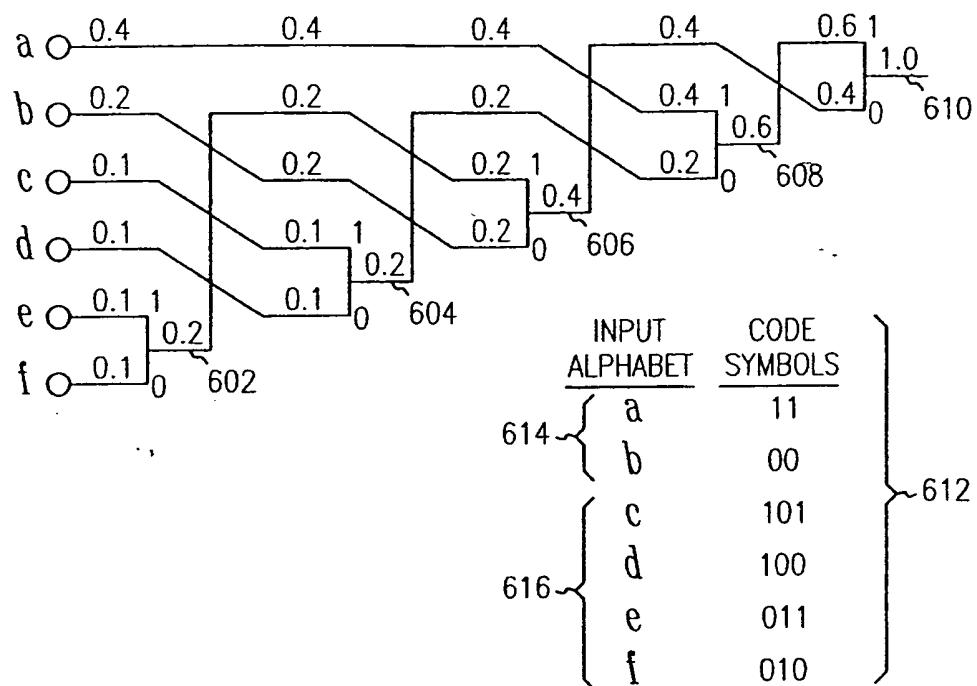


FIG. 6
(PRIOR ART)

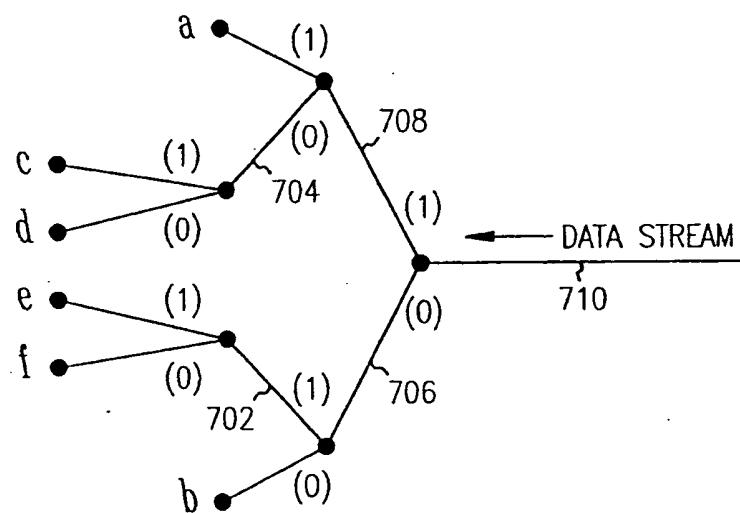


FIG. 7
(PRIOR ART)

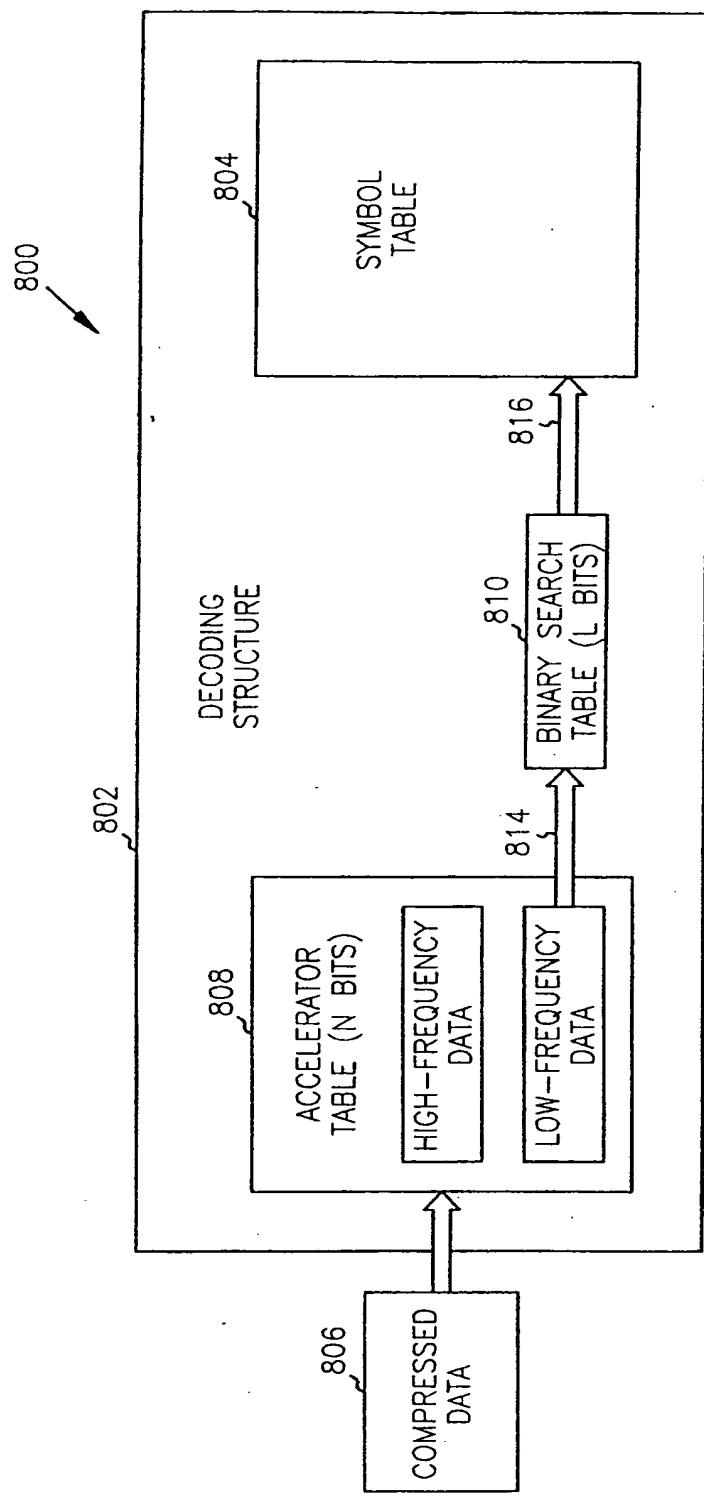


FIG. 8

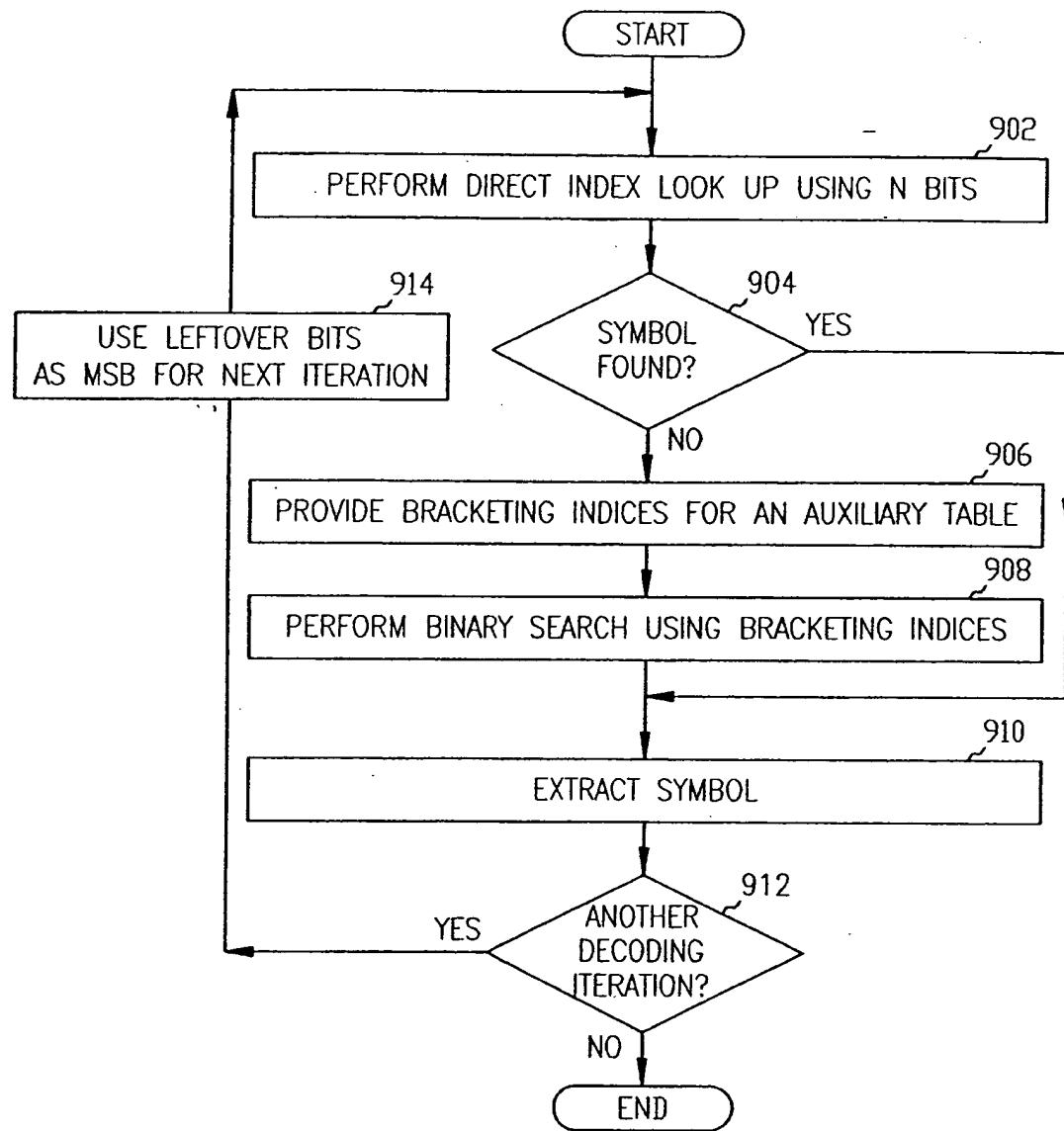


FIG. 9

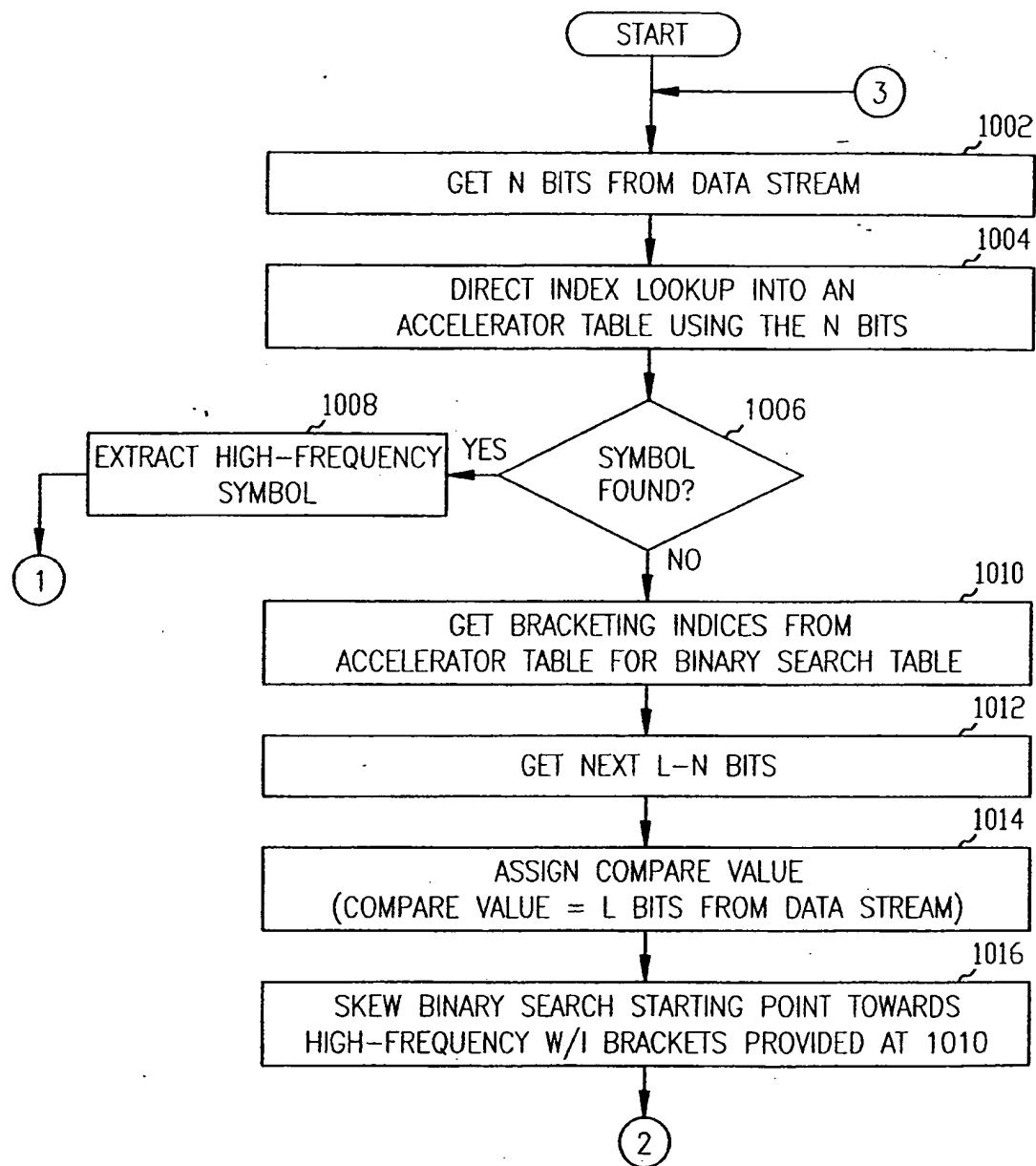


FIG. 10A

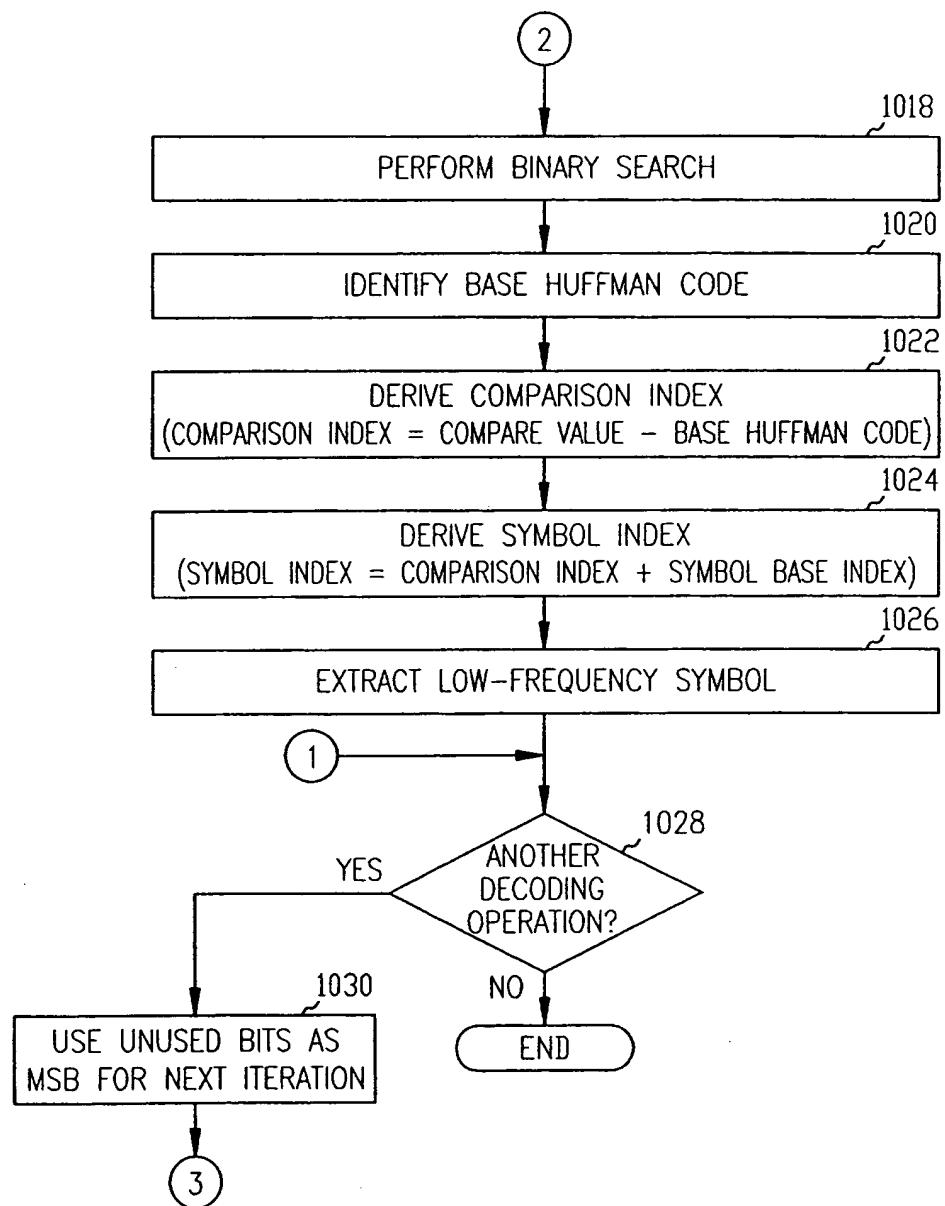


FIG. 10B

FIG. 11A

MSB	ASSIGNED CANONICAL HUFFMAN CODE							LSB	BIT LENGTH	SYMBOL	SYMBOL INDEX
0	0	0	0	0	0	0	1	0	8	'0'	14
0	0	0	0	0	0	1	1			'3'	15
0	0	0	0	0	1	0	0			'4'	16
0	0	0	0	0	1	0	1			'7'	17
0	0	0	0	0	1	0	1			'8'	18
0	0	0	0	0	1	1	0			'g'	19
0	0	0	0	0	1	1	1				
0	0	0	0	1	0	0	0	7	'1'	20	
0	0	0	1	0	0	1	0			'2'	21
0	0	0	1	0	1	1	0			'5'	22
0	0	0	1	1	1	1	1			'6'	23
0	0	0	1	1	0	0	0			'F'	24
0	0	0	1	0	0	1	0			'Y'	25
0	0	0	1	0	0	1	1				
0	0	0	1	0	1	0	1	6	0x20	26	
0	0	0	1	1	0	1	0			'B'	27
0	0	1	1	1	1	1	1			'G'	28
0	0	0	1	0	0	0	0			'H'	29
0	0	0	1	0	0	1	0			'M'	30
0	0	0	1	0	0	1	1			'P'	31
0	0	0	1	0	1	0	0			'U'	32
0	0	0	1	0	1	1	1			'V'	33
0	0	0	1	1	0	0	0			'W'	34
0	0	1	1	0	1	0	1				

FIG. 11B

MSB	ASSIGNED CANONICAL HUFFMAN CODE			LSB	BIT LENGTH	SYMBOL	SYMBOL INDEX
0 0	1	1	1		5	0x1B	35
0 1	0	0	0			'C'	36
0 1	0	0	1			'I'	37
0 1	0	1	0			'K'	38
0 1	0	1	1			'S'	39
					4	0x1C	40
						'A'	41
						'D'	42
						'E'	43
						'L'	44
						'N'	45
						'O'	46
						'R'	47
						'T'	48
						0X00	49

FIG. 11C

TABLE INDEX	COMPARE VALUE																BITS USED	SYMBOL BASE INDEX
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	13	5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	7
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	12
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	14
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	20
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	26
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	35
	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4	40

FIG. 12

TABLE INDEX	# BITS USED	SYMBOL	SEARCH TABLE START INDEX	SEARCH TABLE END INDEX
00000	5		0	7
00001	5		8	8
00010	5		8	9
00011	5		9	9
00100	5		9	9
00101	5		9	9
00110	5		9	9
00111	5	0x1B		
01000	5	'C'		
01001	5	'T'		
01010	5	'K'		
01011	5	'S'		
01100	4	0x1C		
01101	4	0x1C		
01110	4	'A'		
01111	4	'A'		
10000	4	'D'		
10001	4	'D'		
10010	4	'E'		
10011	4	'E'		
10100	4	'L'		
10101	4	'L'		
10110	4	'N'		
10111	4	'N'		
11000	4	'O'		
11001	4	'O'		
11010	4	'R'		
11011	4	'R'		
11100	4	'T'		
11101	4	'T'		
11110	4	0x0		
11111	4	0x0		

FIG. 13